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charge of different periods for the addition or completion of data, and annotations and geological sections as outlined in the preliminary bulletins. With similar data from foreign horizons these will form a broader and more permanent basis for exact correlation than has hitherto been available.

The general interest that has recently been aroused among students of fossil vertebrata is attested by the appearance of a number of important papers dealing with the more exact correlation of formations in which fossil vertebrates are found. Important additions to the evidence as to the position of the Mesozoic and Cænozoic formations of the Argentine by Ameghino, Roth, Scott, Ortmann, Hatcher and Sinclair have in recent years advanced this difficult problem a long way toward solution. The recent work of J. C. Merriam in California, Oregon and Nevada has been of the highest quality and great importance in correlation of the Pacific slope and other sections of this continent. Von Huene's investigations in the European Triassic, Broom's studies upon the South African Permian and Mesozoic, have already gone far toward clearing up these great problems in correlation. These are cited but as examples of the spirit of thorough, exact and progressive method in which many investigators are carrying on the work, each in his special province.

Correlation of more or less importance is contained in the series of papers published within the last year by Osborn, Matthew, Douglass, von Huene, Knowlton and Broom.

During the coming year the secretary of the committee will devote himself to the preparation of correlation lists for the North American Tertiary and for the North American pre-Tertiary. Data will be prepared for the North American Cretaceous and Cretaceous-Eocene contact by Osborn and Brown. The committee has promised also a number of American and foreign pre-Tertiary faunal correlations by members and associates.

Inquiries should be addressed to W. D. Matthew, American Museum of Natural History, New York.

THE INTERNATIONAL AMERICAN CONGRESS OF MEDICINE AND HYGIENE

THE International American Congress of Medicine and Hygiene of 1910 in commemoration of the first centenary of the May revolution of 1810, under the patronage of the president of the Argentine Republic, will be held May 25, in Buenos Aires, Argentine Republic.

In order to facilitate the contribution of papers and exhibits from the United States, there has been appointed by the president of the congress, Dr. Eliseo Cantón, and the Minister of the Argentine Republic at Washington, a committee of propaganda, of which Dr. Charles H. Frazier (Philadelphia, Pa.) is chairman and Dr. Alfred Reginald Allen (Philadelphia, Pa.) is secretary.

The congress has been divided into nine sections, each section being represented in the United States by its chairman in this committee of propaganda as follows:

Section 1—Biological and Fundamental Matters,

Dr. W. H. Howell, chairman, Baltimore, Md.

Section 2—Medicine and its Clinics, Dr. George Dock, chairman, New Orleans, La.

Section 3—Surgery and its Clinics, Dr. John M. T. Finney, chairman, Baltimore, Md.

Section 4—Public Hygiene, Dr. Alexander C. Abbott, chairman, Philadelphia, Pa.

Section 5—Pharmacy and Chemistry, Dr. David L. Edsall, chairman, Philadelphia, Pa.

Section 6—Sanitary Technology, Dr. W. P. Mason, chairman, Troy, N. Y.

Section 7—Veterinary Police, Dr. Samuel H. Gililand, chairman, Marietta, Pa.

Section 8—Dental Pathology, Dr. George V. I. Brown, chairman, Milwaukee, Wis.

Section 9—Exhibition of Hygiene, Dr. Alexander C. Abbott, chairman, Philadelphia, Pa.

It will not be necessary for one contributing a paper or exhibit to the congress to be present in person. Arrangements will be made to have contributions suitably presented in the absence of the author. The official languages of the congress will be Spanish and English. Members of the following professions are eligible to present papers or exhibits: Medicine, pharmacy, chemistry, dentistry, veterinary medicine, engineering and architecture.

Papers may be sent direct to the chairman of the particular section for which they are intended, or to Dr. Alfred Reginald Allen, Secretary, 111 South 21st Street, Philadelphia, Pa.

THE ELIZABETH THOMPSON SCIENCE FUND

THE thirty-fifth meeting of the board of trustees was held in Boston, Mass., on February 2, 1910.

The following officers were elected:

President—Edward C. Pickering.

Treasurer—Charles S. Rackemann.

Secretary—Charles S. Minot.

The secretary stated that during the past year no reports had been received from the following holders of grants: 22, 27, E. Hartwig; 107, M. W. Travers; 117, E. Salkowski and C. Neuberg; 123, E. C. Jeffrey; 131, F. W. Thyng; 134, C. L. Alsberg.

The reports received from the following holders of grants were accepted as reports of progress: 98, J. Weinziel; 109, A. Nicolas; 111, R. Hürthle; 119, J. P. McMurrich; 121, E. Debiegne; 124, P. Bachmetjew; 133, J. F. Shepard; 136, H. Z. Kip; 137, C. H. Eigenmann; 138, Mme. P. Šafarik; 140, K. Guthe; 141, J. P. Patterson; 142, W. J. Hale; 144, G. A. Hulett; 146, M. Nussbaum; 147, J. Müller; 148, C. C. Nutting; 149, P. A. Guye; 152, W. D. Hoyt; 154, J. P. Munson.

It was voted to close the accounts of the following grants: 135, A. Negri; 139, J. Koenigsberger; 145, J. de Kowalski; 151, O. von Fürth; 153, W. Doberck, and to close upon receipt of publications the account of grant 143, awarded to Professor R. W. Wood.

The secretary stated that a fifth publication had been received from Professor E. Wiedemann, acknowledging the aid obtained through grant 127.

The trustees greatly regretted to be obliged to decline several applications which were highly deserving of aid.

It was voted to make the following new grants:

155. \$300 to Dr. H. P. Hollnagel, Berlin, Germany, for a redetermination of the longer wave-lengths in the extreme infra-red por-

tion of the spectrum, by an interferometer method.

156. \$100 to Professor R. Thaxter, Cambridge, Mass., for further studies on the Laboulbeniaceæ.

157. \$100 to Dr. L. Mercier, Nancy, France, to study the bacteria living symbiotically within various invertebrates.

158. \$50 to Professor H. V. Neal, Galesburg, Ill., for a study of nerve histogenesis in *Squalus acanthias*.

159. \$100 to Dr. B. M. Davis, Cambridge, Mass., for cytological and genetical studies on native species of *Oenothera*.

160. \$50 to Dr. L. J. Henderson, Boston, Mass., for a research upon the use as indicators of aromatic nitro compounds which contain phenolic hydroxyl groups, or amino groups, or carboxyl groups.

161. \$100 to Professor O. von Fürth, Vienna, Austria, for further studies on internal secretion.

CHARLES S. MINOT,
Secretary

SCIENTIFIC NOTES AND NEWS

INVITATIONS for the centennial celebration of the University of Berlin, to be held in October of this year, have been sent to the visiting professors who have represented Harvard University and Columbia University at the University of Berlin. These include Professors Theodore W. Richards and W. M. Davis, of Harvard University.

THE official delegation from the Geological Society of America to the eleventh International Geological Congress to be held at Stockholm, Sweden, in August of this year has been constituted as follows: Arnold Hague, Sc.D., U. S. Geological Survey, president of the Geological Society of America; Charles R. Van Hise, LL.D., University of Wisconsin; James F. Kemp, professor of geology, Columbia University; Frank D. Adams, D.Sc., dean of the faculty of applied science, McGill University, and Edmund Otis Hovey, Ph.D., curator of geology and invertebrate paleontology, American Museum of Natural History.

PROFESSOR HUGH D. REED has been appointed delegate from Cornell University to